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NEWS	3	SEP 09	CA/CAPLUS records now contain indexing from 1907 to the present
NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS EXPRESS			DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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=> d l2 1-2 bib ab

L2 ANSWER 1 OF 2 BIOTECHABS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 1988-03786 BIOTECHABS
TI Protein crystallography;
and its application to protein engineering
AU Janin J
LO Laboratoire de Biologie Physicochimique, Universite Paris-Sud, Orsay,
France.
SO Biofutur; (1987) 62, 29-31
DT Journal
LA French
AB X-ray diffraction remains the only technique capable of resolving the
structure of biological macromolecules at atomic detail. The major
difficulties in the technique remain the preparation of adequate
crystalline samples and the determination of the phase of diffracted
rays. In recent years progress has come from the use of synchrotrons as
X-ray sources of high intensity which has speeded up the rate of data
capture and has made possible the resolution by X-ray diffraction of
movements within macromolecules. The precision of the map of electron
density provided by the technique is usually of the order of 0.2-0.3 nm,
but methods are available which permit resolutions of 0.01 nm: resolution
at this level is sometimes necessary to determine catalytic mechanisms
and the precise position of ligands. Protein **crystallography**
remains a somewhat **unpredictable** undertaking, but it is an
irreplaceable resource for the developing field of protein engineering.
(4 ref)

L2 ANSWER 2 OF 2 USPATFULL on STN
AN 2002:335702 USPATFULL
TI High-throughput biomolecular crystallization and biomolecular crystal
screening
IN Mutz, Mitchell W., Palo Alto, CA, UNITED STATES
Ellson, Richard N., Palo Alto, CA, UNITED STATES
Stearns, Richard G., Felton, CA, UNITED STATES

PI US 2002191048 A1 20021219
AI US 2002-55245 A1 20020122 (10)
RLI Continuation-in-part of Ser. No. US 2001-765947, filed on 19 Jan 2001,
PENDING Continuation-in-part of Ser. No. US 2000-727392, filed on 29 Nov
2000, PENDING Continuation-in-part of Ser. No. US 2000-669996, filed on
25 Sep 2000, PENDING
DT Utility
FS APPLICATION
LREP REED & ASSOCIATES, 800 MENLO AVENUE, SUITE 210, MENLO PARK, CA, 94025
CLMN Number of Claims: 150
ECL Exemplary Claim: 1
DRWN 7 Drawing Page(s)
LN.CNT 3490
AB The present invention provides a method for the acoustic ejection of
fluid droplets from fluid-containing reservoirs to form arrays suitable
for high-throughput combinatorial crystallization experiments. Such
arrays may utilize very small fluid volumes, in the order of picoliters.
The method is especially suited to preparing combinatorial libraries
useful in developing techniques for crystallizing biomacromolecules,
such as proteins. The small volumes conserve macromolecules that may be
costly and rare, and permit the testing of a large number of
experimental crystallization conditions for a given amount of a
macromolecule. The time required for the experiments may be very short
due to the small volumes. The invention is conducive to forming
high-density microarrays of small volume crystallization experiments.
Acoustic detection of crystals in situ, and distinction between
biomacromolecular and non-biomacromolecular crystals, are also taught.